Please type	a nlı	us sion (+	-) → + Patent and Ti	rademark Office	;	U.S. DEPARTM	EN.	OF COMM	IERC	E
1449/PTO			U.S. Departr	nent of Commer	ce	Application No).	:		
				rademark Office	е	Filing Date		<u>:</u>		
INFOR	MA	TION	DISCLOSURE			First Named In			<u>U</u>	
STATE	ME	ENT BY	Y APPLICANT			Group Art Uni Examiner Nam		<u>-</u> :		
Sheet 1								: 		,
Sheet A						Attorney Dock	et N	o.: NECW 2	20.584	
				U.S. PATI	ENT DOCU					
Examiner Initials		Cite No. 1 U.S. Patent Document if known 2 Kind Code if known 2 Cited Document				Publication of Lines Cited Document Relev MM-DD-YYYY Relev		Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear		
		_								
				FOREIGN	DOCUME	ENTS				
Examiner Initials			Foreign Patent Document Office ³ Number ⁴ Kind Code ⁵ (if known)	Country	Name of Patentee or Applicant of Cited Document		Pul Cit Do Mi	blication of Where Relevant		ages or Relevant
Ch.	\vdash		10-108040	JP	Nec Corp.		04	-24-1998		
CAL			11-015442	JP	Hitachi Ltd.		01	-22-1999		
CAL			2001-092413	ЛР	Semiconducto	r Energy Lab Co	04	-06-2001		
CAL		• • • • • • • • • • • • • • • • • • • •	2000-020037	JР	Seiko Epson (Corp.	L	-21-2000		
CAL			2002-175060	JP	Sharp Corp		06	-21-2002		
							_		ļ	
		•			ļ				-	
	-	·			 		-		-	
	╁				-		├		-	
	╁						-		+	
	-						 		-	
L			L						1	

Other Prior Art-Non Patent Literature Documents

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, country, where published, source. Applicant che English langu translation att	age
Examiner Signature		Date Considered (1/29/05)	

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

'Unique citation designation number. 1 See standard Kinds of U.S. Patent Documents. 2 Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Inpanese patent documents, the indication of the year of the reign of the Emperer must precede the serial number of the patent document. 3 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.3 if possible. 4 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Sustement: This form is estimated to take .2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Office, Patent and Trademark Office, Washington, DC 20231. Under the Paperwerk Reduction Act of 1995, no persons are required to respond to a collection of Information unless it displays a valid OMB control number. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

HE 9/PTO	e a plus sign		Application N	lo. : 10/647,	756		
HE 19/PTO		Patent and 1	Filing Date				
18/F OK		N DISCLOSURE				nventor: S. END	OU
STATE	MENT	BY APPLICANT			Group Art Un		
Sheet 1	<u>of 1</u>				Examiner Nar		
			I C DATE	NT DOCUM		ket No. : NECW	20.584
Examiner	Cite No.	U.S. Patent Document	Kind Code	NT DOCUM		Day of	I p
Initials	CHE NO.	U.S. Fatent Document	if known ²	of Cited Docum	tee or Applicant ment	Date of Publication of Cited Document MM-DD- YYYY	Pages, Columns Where Relevant Passages or Rele Figures Appear
(AL		6,534,804		TSUCHIYA		03-18-2003	Corresponds to JP
A		2002/0066912		TSUCHIYA		06-06-2002	Application 2002-8 Corresponds to JP
	<u> </u>	6,633,270		HASHIMOTO		10-14-2003	Application 2002-8 Corresponds to JP
CA							Application 2002-4
eu		2002/0011976		HASHIMOTO		01-31-2002	Corresponds to JP Application 2002-4
CH		2002/0093475		HASHIMOTO	HASHIMOTO		Corresponds to JP Application 2002-2
CLA		6,765,551		NAKANO ET AL.		07-20-2004	Corresponds to JP Application 2002-8
C4a		2001/0052897		NAKANO ET AL.		12-20-2001	Corresponds to JP Application 2002-8:
			FOREIG	N DOCUME	NTS	l	
Examiner Initials	Cite No.	Foreign Patent Document Office ³ Number ⁴ Kind Code ³ (if known)	Country	Name of Patentee or Applicant of Cited Document		Date of Publication of Cited Document MM-DD-YY	Pages, Columns Where Relevant Passages or Relev Figures Appear
Ch		2002-83932	JP	ȘEIKO EPSON	CORP	03-22-2002	Corresponds to US 6,534,804 and Appl 2002/0066912
CH		2002-40961	JP	NEC CORP		02-08-2002	Corresponds to US 6,633,270 and Appl 2002/0011976
CAL		2002-215108	JP		NEC CORP		Corresponds to US Application 2002- 0093475
CAK		2002-82645	JP			03-22-2002	Corresponds to US 6,765,551 and Appl 2001/0052897
CH		2-271389	JP	JAPAN AVIATION 11 ELECTRON IND LTD		11-06-1990	
CAL		6-348235	JP	NEC CORP		12-22-1994	
	rior Art	Non Patent Litera	ture Docu	ments			<u> </u>
Examiner Initials No. Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), data, page(s), volume-issue number(s), publisher, country, where published, source. Japanese Office Action dated November 30, 2004 with partial translation						opriate), title of	Applicant check her English language

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. Burden Hour Statement: This form is estimated to take .2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of Information unless it displays a valid OMB control number. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Considered

Signature

Please type a plus sign (+) → + Patent and grade mack Office U.S. DEPARTMENT OF COMME							IERCE	
1449/PTO		U.S. Departm	nent of Commerce	6 6	Application No. : 10/647,756			
		Patent and T	Filing Date : August 25, 2003					
INFOR	MATION	DISCLOSURE	First Named Inventor: S. ENDOU					
STATE	MENT B	Y APPLICANT	图 地口	2005	Group Art Un			
Sheet 1			B	ğ	Examiner Name :			
			Er-	Ø	Attorney Docket No.: NECW 20.584			
			U.S. PATON	BPOCUM	ENTS			
Examiner Initials Cite No. U.S. Patent Document			Kind Code if known ² Name of Patentee or Applicant of Cited Document			Date of Publication of Cited Document MM-DD- YYYY	Pages, Cohumns Lines Where Relevant Passages or Relevant Figures Appear	
C₩.		6,275,207		NITTA ET AL	•	08-14-2001	Corresponds to JP Application 11-175027	
		 		 		 		
								
			FOREIGN	DOCUME	NTS			
Examiner Initials	Cite No.1	Foreign Patent Document Office ³ Number ⁴ Kind Code ³ (if known)	Country	of Cited Docur		Date of Publication of Cited Document MM-DD-YY	Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear	
C#		8-211367	JP	DEVICE EN	TD., HITACHI G	08-20-1996	*,**	
CAL		2001-042833	JP .	SHARP KK		02-16-2001	*, **	
a		11-175027	JP	HITACHI LT VIDEO & IN	TD., HITACHI IF SYST	07-02-1999	*, **, ***	

Other Prior Art-Non Patent Literature Documents

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), data, page(s), volume-issue number(s), publisher, country, where published, source.	Applicant check here if English language translation attached
		Japanese Office Action in patent application JP 2002-245483 dated May 17, 2005, with partial translation	X (partial translation)
Examiner Signature		Place Tonsidered U29/05	

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Unique citation designation number. See attached Kinds of U.S. Patent Documents. Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached. Burden Hour Statement: This form is estimated to take .2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of Information unless it displays a valid OMB control number. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

^{*}English Language Abstract Provided

^{**}Mentioned in a partial translation of Japanese Office Action

^{***} Corresponds to US Application 6,275,207